

Title (en)
CONTROL MODULE

Title (de)
STEUERMODUL

Title (fr)
MODULE DE COMMANDE

Publication
EP 1689058 B1 20080723 (EN)

Application
EP 03819028 A 20031118

Priority
JP 0314639 W 20031118

Abstract (en)
[origin: EP1689058A1] A control module improved in productivity and workability. The control module (100) comprises an ATCU (10), i.e., a control circuit unit, and a wiring unit (20) connecting terminals of the control circuit unit to connectors (28). The control circuit unit (10) and the wiring unit (20) are contained between a cover (30) and a base (40). The wiring unit (20) has a resin molded part (24) formed by resin-molding nearly central portions of bus bars (22), which are constituted by a plurality of conductors. The resin molded part serves as a rigid region, and a part where the bus bars are exposed serves as a flexible region. The base (40) is shaped to be contacted with the cover (30) when they are fitted to each other, and has protrusions (42) each formed to position between the adjacent bus bars (22) in the flexible region. Contact portions between the cover (30) and the protrusions (42) of the base (40) are fixedly bonded to each other.

IPC 8 full level
H05K 5/00 (2006.01); **F16H 61/00** (2006.01); **H02G 3/16** (2006.01); **H05K 5/06** (2006.01); **H05K 7/06** (2006.01)

CPC (source: EP US)
B60R 16/0239 (2013.01 - EP US); **F16H 61/0006** (2013.01 - EP US); **H05K 5/0047** (2013.01 - EP US); **H05K 5/069** (2013.01 - EP US); **F16H 61/0003** (2013.01 - EP US)

Cited by
EP3426011A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1689058 A1 20060809; **EP 1689058 A4 20070117**; **EP 1689058 B1 20080723**; DE 60322449 D1 20080904; JP 4138804 B2 20080827; JP WO2005050805 A1 20070614; US 2007051596 A1 20070308; US 7724531 B2 20100525; WO 2005050805 A1 20050602

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